

## GNB1 cDNA

Catalog Number: ATGD0108

### PRODUCT INFORMATION

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**Catalog number**

ATGD0108

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_002065.1

**Alternative Names**

**mRNA Refseq**

NM\_002074.4

**OMIM**

139380

**Chromosome location**

1p36.33

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

1023bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
  2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and

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effector proteins, are composed of an alpha, a beta, and a gamma subunit. These subunits are encoded by families of related genes. This gene encodes a beta subunit. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. Alternative splicing results in multiple transcript variants.

## DATA

### Sequence nucleotides

```
ATGAGTGAGCTTGACCAGTTACGGCAGGAGGCCGAGCAACTTAAGAACCAGATTCGAGACGCCAGGAAAGCATGTGCAGA
TGCAACTCTCTCTCAGATCACAACAACATCGACCCAGTGGAAGAATCCAAATGCGCACGAGGAGGACACTGCGGGGGCA
CCTGGCCAAGATCTACGCCATGCACTGGGGCACAGACTCCAGGCTTCTCGTCAGTGCCTCGCAGGATGGTAACTTATCAT
CTGGGACAGCTACACCACCAACAAGGTCCACGCCATCCCTCTGCGCTCCTCCTGGGTCATGACCTGTGCATATGCCCCTTCT
GGAACTATGTGGCCTGCGGTGGCCTGGATAACATTTGCTCCATTTACAATCTGAAAACCTCGTGAGGGGAACGTGCGCGTG
AGTCGTGAGCTGGCAGGACACACAGGTTACCTGTCCTGCTGCCGATTCTGGATGACAATCAGATCGTCACCAGCTCTGGA
GACACCACGTGTGCCCTGTGGGACATCGAGACCGGCCAGCAGACGACCACGTTTACCGGACACACTGGAGATGTCATGAG
CCTTTCTCTTGCTCCTGACACCAGACTGTTTCGTCTCTGGTGCTTGTGATGCTTCAGCCAACTCTGGGATGTGCGAGAAGGC
ATGTGCCGGCAGACCTTCACTGGCCACGAGTCTGACATCAATGCCATTTGCTTCTTTCCAAATGGCAATGCATTTGCCACTG
GCTCAGACGACGCCACCTGCAGGCTGTTTGACCTTCGTGCTGACCAGGAGCTCATGACTTACTCCCATGACAACATCATCTG
CGGGATCACCTCTGTCTCCTTCTCCAAGAGCGGGCGCCTCCTCCTTGCTGGGTACGACGACTTCAACTGCAACGTCTGGGA
TGCACTCAAAGCCGACCGGGCAGGTGTCTTGCTGGGCATGACAACCGCGTCAGCTGCCTGGGCGTGACTGACGATGGCA
TGGCTGTGGCGACAGGGTCCTGGGATAGCTTCCTCAAGATCTGGAATAA
```

### Transaction Sequence

```
MSELDQLRQE AEQLKNQIRD ARKACADATL SQITNNIDPV GRIQMRTRRT LRGLAKIYA MHWGTDSRLL VSASQDGKLI
IWDSYTTNKV HAIPLRSSWV MTCAYAPSGN YVACGGLDNI CSIYNLKTRE GNVRSRELA GHTGYLSCCR FLDDNQIVTS
SGDTTCALWD IETGQQTTTF TGHTGDVMSL SLAPDTRLFV SGACDASAKL WDVREGMCRQ TFTGHESDIN AICFFPNGNA
FATGSDDATC RLFDLRADQE LMTYSHDNII CGITSVSFSK SGRLLLAGYD DFNCNVWDAL KADRAGVLAG HDNRVSCLGV
TDDGMAVATG SWDSFLKIWN
```